

Serial No. 09/726,142

In the Claims:

1 – 8. (Canceled)

9. (currently amended) A method of forming a thermally conductive part for dissipating heat away from a heat generating object, comprising the steps of:

providing a base thermoplastic polymer matrix;

mixing a thermally conductive, ~~electrically insulative~~ PITCH based carbon filler material into said base thermoplastic polymer matrix to form a thermally conductive, electrically insulative composite material;

injection molding a part from said thermally conductive composite material into a net shape molded configuration, said part including an outer surface and a contact interface for flush thermal communication with a heat generating object, wherein said contact interface is in direct contact with said heat generating object; and

plating a metallic coating over said outer surface of said part.

10. (previously presented) The method of Claim 9, wherein said metallic coating is an electromagnetic interference reflective coating about said entire outer surface of said part.

11. (Canceled)